UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NAK1-BG86

Total Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTS
Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

A PROCESSOR FOR EXECUTING INSTRUCTIONS IN UNITS THAT ARE UNRELATED TO THE UNITS IN WHICH INSTRUCTIONS ARE READ, AND A COMPLIER, AN OPTIMIZATION APPARATUS, AN ASSEMBLER, A LINKER, A DEBUGGER AND A DISASSEMBLER FOR SUCH PROCESSOR

and invented by:

Shuichi TAKAYAMA, Hajime OGAWA, Kenichi KAWAGUCHI, Nobuo HIGAKI, Kensuke ODANI, Tetsuya TANAKA, Shinya MIYAJI and Taketo HEISHI

If a CONTINUATION APPLICATION, *check appropriate box and supply the requisite information:*

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below

2. ☒ Specification having _____139_____ pages and including the following:

   a. ☒ Descriptive Title of the Invention

   b. ☒ Cross References to Related Applications *(if applicable)*

   c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*

   d. ☐ Reference to Microfiche Appendix *(if applicable)*

   e. ☒ Background of the Invention

   f. ☒ Brief Summary of the Invention

   g. ☒ Brief Description of the Drawings *(if drawings filed)*

   h. ☒ Detailed Description

   i. ☒ Claim(s) as Classified Below

   j. ☒ Abstract of the Disclosure

Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*

     a. ☐   Formal   Number of Sheets _____

     b. ☒   Informal   Number of Sheets _____40_____

4. ☒ Oath or Declaration

     a. ☐   Newly executed *(original or copy)*   ☒   Unexecuted

     b. ☐   Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*

     c. ☐   With Power of Attorney   ☐   Without Power of Attorney

     d. ☐   *DELETION OF INVENTOR(S)*
           Signed statement attached deleting inventor(s) named in the prior application,
           see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
    The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Computer Program in Microfiche *(Appendix)*

7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*

     a. ☐   Paper Copy

     b. ☐   Computer Readable Copy *(identical to computer copy)*

     c. ☐   Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers *(cover sheet & document(s))*

9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*

10. ☐ English Translation Document *(if applicable)*

11. ☐ Information Disclosure Statement/PTO-1449   ☐ Copies of IDS Citations

12. ☐ Preliminary Amendment

13. ☒ Acknowledgment postcard

14. ☒ Certificate of Mailing

       ☐   First Class   ☒   Express Mail *(Specify Label No.):*   **EL180744630US** _____

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Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
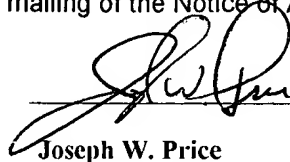
16. ☐ Additional Enclosures *(please identify below):*

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	48	- 20 =	28	x $18.00	$504.00
Indep. Claims	11	- 3 =	8	x $78.00	$624.00
Multiple Dependent Claims (check if applicable) ☐					$0.00
				BASIC FEE	$760.00
OTHER FEE *(specify purpose)*					$0.00
				TOTAL FILING FEE	$1,888.00

☒ A check in the amount of   **$1,888.00**   to cover the filing fee is enclosed.

☒ The Commissioner is hereby authorized to charge and credit Deposit Account No.   **16-2462**
as described below. A duplicate copy of this sheet is enclosed.

     ☐ Charge the amount of   as filing fee.

     ☒ Credit any overpayment.

     ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

     ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

_____
Signature

Dated: **April 28, 1999**

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DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
(unexecuted)

Inventor(s): Shuichi Takayama et al.

Title: A PROCESSOR FOR EXECUTING INSTRUCTIONS IN UNITS THAT ARE UNRELATED TO THE UNITS IN WHICH INSTRUCTIONS ARE READ, AND A COMPILER, AN OPTIMIZATION APPARATUS, AN ASSEMBLER, A LINKER, A DEBUGGER AND A DISASSEMBLER FOR SUCH PROCESSOR

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EXPRESS MAIL LABEL NO.   EL180744630US

DATE OF DEPOSIT: April 28, 1999

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DRAWINGS (40 SHEETS)

Inventor(s):   Shuichi Takayama et al.

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